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APPLICANT : TOSHIBA CORP;

INVENTOR : HAYATA TERUNOBU;

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TITLE : DECOMPOSITION CATALYST OF ORGANIC HALOGENIDE, DECOMPOSITION  
DEVICE FOR ORGANIC HALOGENIDE AND METHOD OF DECOMPOSITION  
ORGANIC HALOGENIDE

ABSTRACT : PROBLEM TO BE SOLVED: To obtain a catalyst for efficiently decomposing and treating  
a gas containing an organic halogenide by adding a carrier of an oxide capable of being  
closely adhered to tungsten oxide or the like, at least one kind of active substance  
selected from tungsten oxide and the like and a rare earth oxide carried by the carrier.

SOLUTION: A decomposition catalyst for an organic halogenide is prepared by using a  
carrier of oxide capable of being closely adhered to tungsten oxide, vanadium oxide and  
molybdenum oxide, at least one kind of active substance carried by the carrier and  
selected from tungsten oxide, vanadium oxide and molybdenum oxide and rare earth  
oxide carried by the carrier. In this case, one kind or more selected from Y, La, Ce, Sc, Pr,  
Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb and Lu is used as a rare earth element for  
the rare earth oxide. Titania,  $\gamma$  alumina, zirconia and silica are used as the carrier.

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